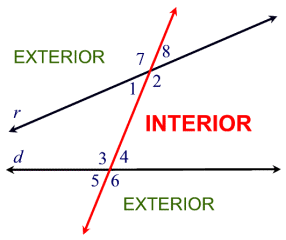
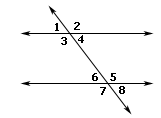
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

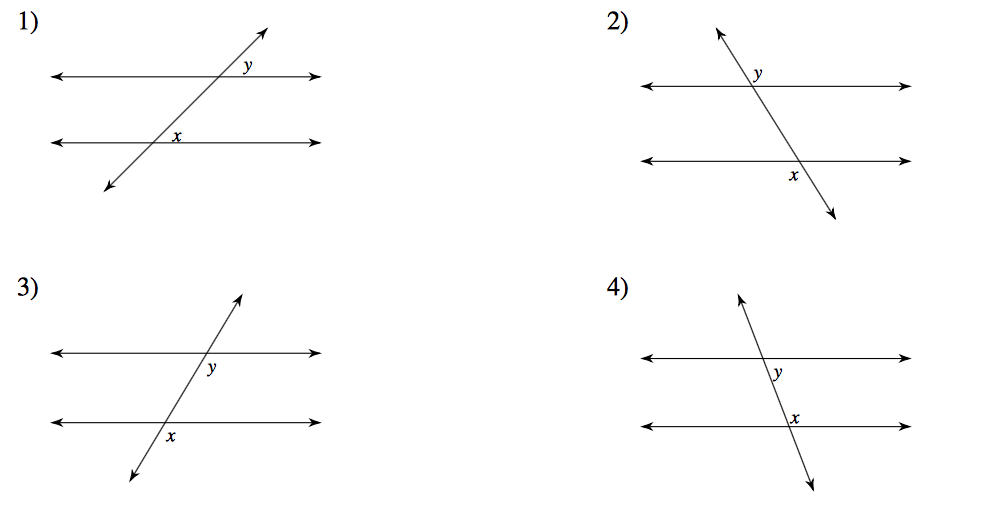
**3.3 Angles Created by a Transversal**

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**Practice!**

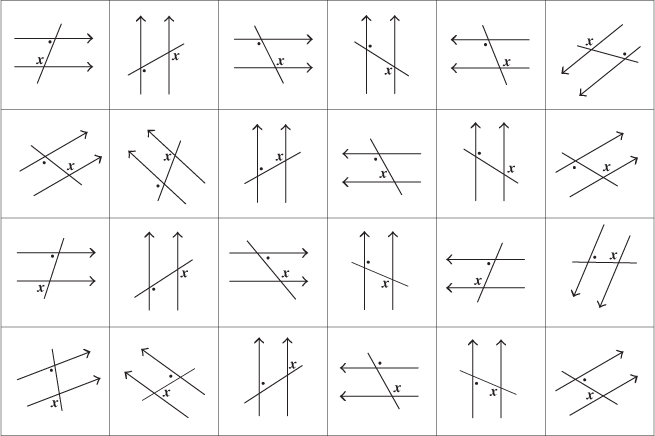
Directions: Identify each pair of angles as corresponding angles, alternate interior angles, alternate exterior angles, same side interior angles or same side exterior angles.



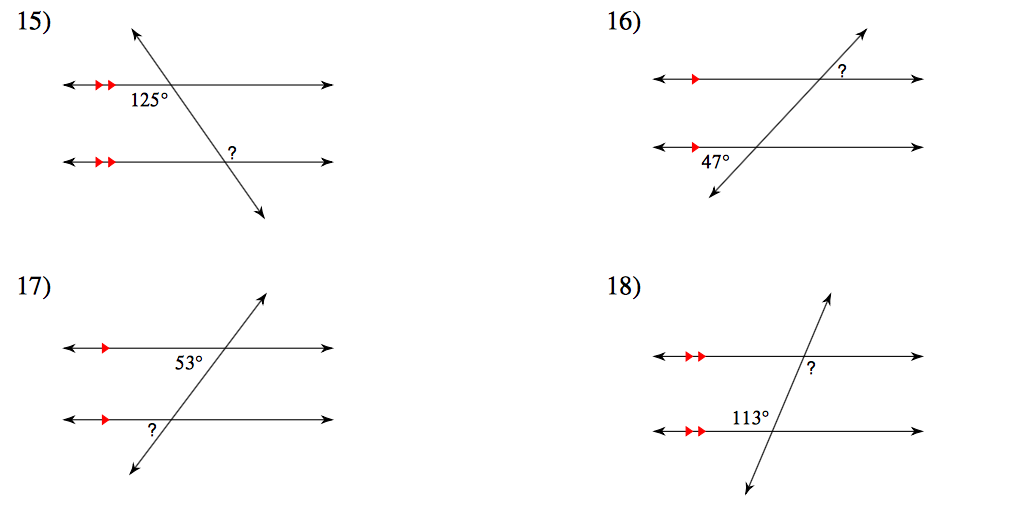
5. Using the diagram from #4, put an “a” and a “b” in a set of same side exterior angles.

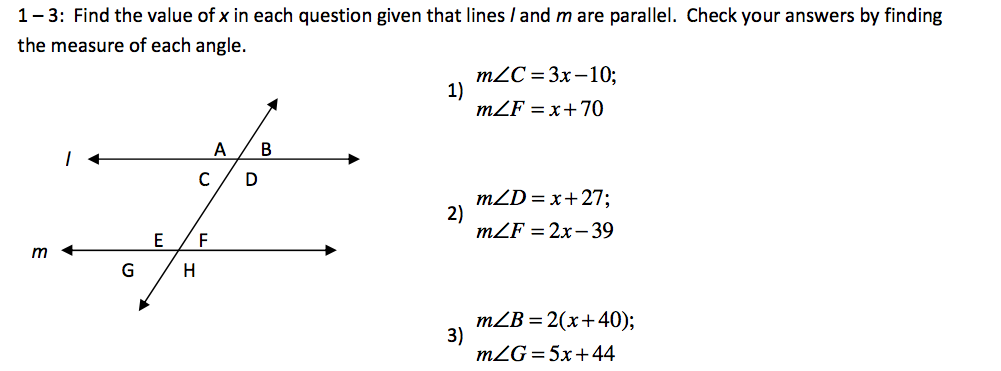
6. Using the diagram from #3, put an “a” and a “b” in a set of alternate interior angles.

Directions: Name the angle pair indicated by the x and the dot.



Directions: Find the measure of the indicated angle.





Directions: Solve for *x.*  You **must** set up an equation **with a justification**, then solve. If you want to check your answer, substitute the value back in and see if it makes sense. **Use the space on the back of this page.**



**SPACE FOR SOLVING AND JUSTIFYING**

***When are lines cut by a transversal proved to be parallel?***

If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the lines are parallel.

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***When are lines cut by a transversal proved to be parallel?***

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